

MURONTSEV, S.N. [deceased]; MAYOROVA, G.F.; NENASHEV, V.P.

Inhalation immunization with the whooping cough vaccine in an
experiment on animals. Zhur. mikrobiol., epid. i immun. 33
no.2:3-8 F '62. (MIRA 15:3)

1. Iz Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei
AMN SSSR.

(WHOOPIING COUGH--PREVENTIVE INOCULATION)
(INHALATION THERAPY)

MUROMTSEV, S.N.; MAYOROVA, G.F.; NENASHEV, V.P.; GONCHAROVA, N.S.

Reactogenic and immunogenic properties of whooping cough vaccine during inhalation immunization. Zhur.mikrobiol., epid.i immun. 33 no.4:71-76 Ap '62. (MIRA 15:10)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
(WHOOPING COUGH--PREVENTIVE INOCULATION)(INHALATION THERAPY)

GINDIN, A.P.; ANOSOV, I.Ya.; MAYOROVA, G.F.

Histopathology and histochemistry of the reaction of
lymphoid organs to inhalation immunization with pertussis
vaccine. Zhur. mikrobiol., epid. i immun. 40 no.3:45-49
Mr '63. (MIRA 17:2)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei
AMN SSSR.

MAYKOVA, G.F.; KORN, M.Ya.

Study of the specificity of anti-pertussis fluorescent serum.
Zhur. mikrobiol., epid. i immunit. 40 no.9:42-48 1963.

(RHS 12 5

1. 12 Institut. Zhur. i mikrobiol. Log. i immunit. Gama.
AMN SSSR.

KORN, M.Ya.; MAYOROVA, G.F.

Some causes of staphylococcus staining with heterologous fluorescent
sera. Zhur. mikrobiol., epid. i immun. 40 no.11:51-56 N '63.
(MIRA 17:12.
1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

MAYOROVA, G.F.

Methodology of determining the concentration of killed pertussis
vaccine in the air. Zhur. mikrobiol., epid. i immun. 40 no.11:65-69
N '63. (MIRA 17:12)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

MAYOROVA, G.F.; KOMISSAROVA, I.A.; YAKOVLEVA, A.F.; LIVERGANT, A.Ye.

Reactogenicity and effectiveness of inhalation revaccination in children against diphtheria. Zhur. mikrobiol., epid. i immun. (MIRA 18:4) 41 no.4:50-55 Ap '64.

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR i sanitarno-epidemiologicheskaya stantsiya Krasnopresnenskogo rayona Moskvy.

MAYOROVA, G.F.; MIROLYUBOVA, L.V.; KETILADZE, Ye.S.

Diagnostic significance of the lysis reaction of chick
erythrocytes in hemorrhagic fever with the kidney syndrome.
Vop. virus. 9 no.5:614-617 S.-O '64. (MIRA 18:6)

1. Institut eksperimental'noy meditsiny imeni Gamalei i Institut
virusologii imeni Ivanovskogo, Moskva.

MAYOROVA, G.P., vrach

Introduction of the method of intra-arterial blood infusion into the practice of Consolidated Maternity Home No.5 in Gorkiy. Sbor. nauch. rab. Kaf. akush. i gin. GMI no.1:111-114 '60. (MIRA 15:4)

1. Rodil'nyy dom No.5 g. Gor'kogo. Glavnyy vrach Shchukin, M.M.
(DEATH, APPARENT) (BLOOD—TRANSFUSION)

MAYOROVA, G.S.

KAL'YAN, G. A.; MIRONOVA, N.V.; ALAYEVA, L.D.; TRYASTSINA, Z.I.; MAYOROVA,
G.S.; SERAZETDINOV, Ya.P.

Comparison of the use of vitamin B₁ and aloe extract in treating
pyorrhea alveolaris. Stomatologiya 36 no.6:18-21 N-D '57.

(MIRA 11:2)

1. Iz polikliniki No.1 (nach. I.V.Mironov, nauchnyyrukovoditel' -
dotsent G.A.Vasil'yev)

(THIAMINE) (ALOE) (GUMS--DISEASES)

MAYOROVA, I. A.

Corrosion and Anti-Corrosives

Preventive anti-corrosives in the bearing industry., *Podshipnik.*, No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

KAVANOV, M. F.; MAYOROVA, I. A.

Corrosion and Anti-Corrosives

Examination of the inhibitor MT-4 in protecting bearings., *Podshipnik*, No. 2, 1952.

Monthly list of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

MAYOROVA, I. G.

Inst of the Theory and History of Pedagogy, Academy of Pedagogical Sciences RSFSR

MAYOROVA, I. G.- "The creation of pioneer organizations in the people's democracies."

Inst of the Theory and History of Pedagogy, Academy of Pedagogical Sciences RSFSR.
Moscow, 1956

(Dissertation for the Degree of Candidate in Pedagogical Sciences)

SO: Knizhnaya Letopis', No. 20, 1956

MAYOROVA, I.P.; LARINA, I.A.

Acetone purification of *Vibrio septicus* anatoxin. Zhur.mikrobiol.
epid. i imun. 30 no.1:51-54 Ja '58. (NIRA 12:3)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN
SSSR.

(CHOLERA, immunol.

anatoxin, acetone purification (Rus))

(ACETONE,

purification of *Vibrio cholerae* anatoxin (Rus))

BLAGOVESHCHENSKIY, V.A.; MAYOROVA, I.P.

Adsorption and elution of active proteins of the anatoxin of
Vibrio septicus. Biokhimiia 24 no.3:566-570 My-Je '59.
(MIRA 12:9)

1. Biochemical Department, Institute of Epidemiology and
Microbiology, Academy of Medical Sciences of the U.S.S.R.,
Moscow.

(VIBRIO

anatoxin, adsorption & elution of active
protein (Rus))

MAYOROVA, I.P.

Isolation and chemical study of the anatoxin of *Vibrio comma*.
Biokhimiia 25 no.6:977-980 N-D '60. (MIRA 14:5)

1. Chemical Department, Institute of Epidemiology and Microbiology,
Academy of Medical Sciences of the U.S.S.R., Moscow.
(VIBRIO COMMA) (TOXINS AND ANTITOXINS)

MAYOROVA, I.P.

Determination of nonprecipitating antigens by the method of neutralization and diffusion in agar. Report No.2. Zhur. mikrobiol.epid.i immun. 32 no.1:89-94 Ja '61. (MIRA 14:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

(ANTIGENS)

MAYOROVA, I.P.; VLASOVA, Ye.V.; ORLOVA, N.G.

Role of peptides in the formation of toxins by *Clostridium*
oedematiens. Zhur.mikrobiol., epid. i immun. 42 no.2:95-99
F '65.

(MIRA 18:6)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

L 20997-66 B71(1)/1 RO/JK

ACCESSION NR: AP5021649

UR/0218/65/030/004/0675/0680
577.17

AUTHOR: Mayorova, I. P.; Blagoveshchenskiy, V. A.; Volkova, Z. M.; Orlova, N. G.

TITLE: Dynamics of phosphorous compounds in the process of Cl. perfringens development

SOURCE: Biokhimiya, v. 30, no. 4, 1965, 675-680

TOPIC TAGS: fungus, toxicology, phosphorous compound/BP6K toxigen, 2836 toxigen

ABSTRACT: The object of the article was to study the special characteristics of the metabolism of phosphorous compounds in Cl. perfringens in connection with the formation of toxins. Test materials were strain BP6K toxigen and the weak toxigen No. 2836. A partially synchronized culture of Cl. perfringens was obtained as follows. A fresh culture, containing $2 \cdot 10^9$ living microbic cells per ml, was planted in 500 ml of a medium with the following composition (heated to 37C): casein hydrolyzate obtained from the fungus Aspergillus terricola: NaHPO_4 2.3 gram/liter; MgSO_4 0.02 gram/liter; KH_2PO_4 0.25 gram/liter; lumps of muscle 33 grams/liter; and, glucose 0.5%. A culture with $5 \cdot 10^9$ cells per 500 ml was introduced into the medium and placed in a thermostat at 37C. After 15 min of

L 20997-66

ACCESSION NR: AP5021649

development, an equal volume of fresh medium cooled to 0-2C, was rapidly added to the culture and the temperature dropped to 20-22C, after which it was again placed in a thermostat at 37C. Microscopic analysis showed that, after cooling, the cells ceased to divide but continued to grow, increasing in size by 2-3 times. A study was made of the behavior of phosphorous compounds during these operations. It was shown that the separating out of toxins in cultures of strain C1: perfringens toxigen is connected with a change in the phosphorous containing compounds and that it is accompanied by an expenditure of energy. During the process of cell division and of the separating out of toxin in the bacteria of the toxigen, the content of phosphorous compounds decreases sharply. Microbes of a toxigen before the start of separation have the capacity to accumulate a greater amount of phosphorous compounds than microbes of a nontoxigen. "The authors wish to thank I. S. Kulayev and M. S. Kritskom for consultation on the work."

Orig. art. has: 3 tables

ASSOCIATION: Institut epidemiologii i mikrobiologii im. N. F. Gamalei Akademii meditsinskikh nauk SSSR, Moscow (Institute of Epidemiology and Microbiology, Academy of Medical Sciences of the SSSR)

Card 2/3

L 20997-66

ACCESSION NR: AP5021649

SUBMITTED: 21Jan64

NR REF SQV: 004

ENCL: 00

SUB CODE: LS, IC

OTHER: 004

Card

3/3

BK

KRITSKIY, M.S.; KULAYEV, I.S.; MAYOROVA, I.P.; FAYS, D.A.; BELOZERSKIY, A.N.

Translocation of phosphates in the sporophores of meadow mushrooms. Biokhimiia 30 no.4:778-789 J1-Ag '65.

(MIRA 18:8)

1. Institut biokhimii imeni A.N. Bakha AN SSSR i biologo-pochvennyy fakul'tet Gosudarstvennogo universiteta imeni M.V. Lomonosova, Moskva.

L 42268-66 ENT(1)/T JK

ACC NR: AP6031669

SOURCE CODE: UR/0219/66/061/004/0074/0077

AUTHOR: Mayorova, I. P.; Blagoveshchenskiy, V. A.

ORG: Institute of Epidemiology and Microbiology im. N. F. Gamalei, AMN SSSR, Moscow
(Institut epidemiologii i mikrobiologii AMN SSSR)

TITLE: Changes in the composition of the bacterial mass of Cl. perfringens, type A, during cultivation

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 61, no. 4, 1966, 74-77

TOPIC TAGS: RNA, DNA, bacteriology, bacteria, plant metabolism, biosynthesis, protein, toxin

ABSTRACT: Changes in the bacterial mass with respect to the content of high-molecular N-containing substances, RNA, DNA, and the total content of P during the developments of cultures of Cl. perfringens strains with varying toxigenicity were studied. The data in question are of importance in connection with the investigation of characteristics of metabolism of the microorganisms that are related to the formation of toxin. For highly toxigenic strains a predominance of decomposition of RNA and of proteins to low-molecular compounds over their synthesis was found during the process of development, while cultures of weakly toxigenic strains retained a capacity for intensive synthesis of RNA and proteins. Cultures with moderate toxigenicity occupied an intermediate position. Orig. art. has: 3 figures and 1 table. [JPRS: 36,932]

SUB CODE: 06 / SUBM DATE: 23Jul64 / ORIG REF: 002

UDC: 576.851.555.095.4: 576.8.098

Card 1/1

0979

0242

DOLGIN, I.M.; kand.geograf.nauk; NIKOLAYEVA, T.V., mladshiy nauchnyy sotrudnik; BASOVA, L.G., mladshiy nauchnyy sotrudnik; VORONTSOVA, L.I., mladshiy nauchnyy sotrudnik; DANILOVA, V.M., mladshiy nauchnyy sotrudnik; KOVROVA, A.M., mladshiy nauchnyy sotrudnik; SERGEYEVA, G.G., mladshiy nauchnyy sotrudnik; SMIRNOVA, V.N., mladshiy nauchnyy sotrudnik; KHARITONOVA, L.I., mladshiy nauchnyy sotrudnik; ALEKSANDROV, V.F., aerolog; KUZNETSOV, O.M., aerolog; MAYOROVA, L.A., aerolog; POSTNIKOVA, D.G., aerolog; SMIRNOVA, I.P., aerolog; VASIL'YEVA, R.P., tekhnik; MEDNIS, L.V., tekhnik; KHARITONOVA, V.A., tekhnik; KHRUSTALEVA, N.K., red.; DROZHZHINA, L.P., tekhn.red

[Aerological observations of Arctic stations during the period from June 30 through December 31, 1957] Aerologicheskie nabludeniia poliarnykh stantsii s 30 iunia po 31 dekabria 1957 g. Leningrad, Izd-vo "Morskoi transport," 1961. 994 p. (Mirovicheskii i antarkticheski nauchno-issledovatel'skii institut Trudy, vol.243)

(MIRA 14:11)

(Arctic regions—Meteorology—Observations)

PETROVSKIY, B.V., prof.; SOLOV'YEV, G.M.; RABKIN, I.Kh.; LEBEDEVA, R.N.
MAYOROVA, L.A.

Special methods of diagnosing diseases of the heart and vessels.
Sov. Med. 26 no.9:3-9 S '62. (MIRA 17:4)

1. Iz kafedry gosptal'noy khirurgii (zav. - deystvitel'nyy
chlen AMN SSSR prof. B.V. Petrovskiy) I Moskovskogo meditsinskogo
instituta imeni Sechenova.

MASLYUK, V.I.; SIVKOV, I.I.; MAYOROVA, L.A.; YASTREBTSOVA, N.L.; KULESHOVA, N.N.

Phonocardiographic changes before and after mitral commissu-
rotomy. Kardiologiya 5 no.2:59-69 '63 (MIRA 17:2)

1. Iz fakul'tetskoy terapevticheskoy kliniki (dir. - prof.
V.N.Vinogradov) i gospital'noy khirurgicheskoy kliniki (dir.
prof. B.V.Petrovskiy) I Moskovskogo ordena Lenina meditsin-
skogo instituta imeni I.M.Sechenova.

MAYOROVA, L.

Aug 48

USSR/Medicine - Penicillin, Therapy
Medicine - Endometritis

"Treatment of Endometritis in Cats with Penicillin," A. P. Ryzhov, L. Mayorova, Vet
Physicians, $\frac{1}{4}$ P

"Veterinariya" No 8

Describes case in detail. Concludes that penicillin is effective against endometritis and
can be injected intramuscularly for puerperal diseases in cats, dogs, and other small
animals.

PA 31/49T95

MAYOROVA, L.A.

Treating bronchial fistulas of long duration. Sov.med. 20 no.12:
63-64 D '56. (MLRA 10:1)

1. Iz gosspital'noy khirurgicheskoy kliniki (dir. - prof. V.E.
Salishchev) I Moskovskogo ordena Lenina meditsinskogo instituta
imeni I.M.Sechenova.
(FISTULA) (BRONCHI—SURGERY)

MILONOV, O.B., MATKOVA, L.A.

Character of changes in cardiac activity before and after surgery for protracted traumatic arteriovenous aneurysms [with summary in English]. Khirurgiya 34 no.8:35-45 Ag '58 (MIRA 11:9)

1. Iz gosspital'noy khirurgicheskoy kliniki (dir. - deystvitel'nyy chlen AN SSSR prof. B.V. Petrovskiy) i Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.

(FISTULA, ARTERIOVENOUS, etiol. & pathogen.

traum., eff. of surg. on cardiac activity (Rus))

(HEART, physiol.

activity, eff. of surg. in traum, arteriovenous fistula (Rus))

МАЙОРОВА, Л.А.

SOLOV'YEV, G.M., kand.med.nauk, MAYOROVA, L.A. (Moscow)

Cardiac catheterization and accompanying electrocardiographic changes. Klin.med. 36 no.4:68-74 Ap'58 (MIRA 11:5)

1. Iz gosspital'noy khirurgicheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR prof. B.V. Petrovskiy) I Moskovskogo ordena Lenina meditsinskogo instituta.

(CATHETERIZATION, CARDIAC

EGG changes (Rus))

(ELECTROCARDIOGRAPHY

in cardiac catheterization (Rus))

YEY, B.N.; ALAKHVERDYANTS, S.A.; MAYOROVA, L.A.

Role of vegetables and fruits in the epidemiology of geohelminthiasis
under climatic conditions prevailing in Ashkhabad. Zdrav. Turk. 3
no.4:26-27 J1-Ag '59. (MIRA 13:2)

1. Iz Ashkhabadskogo instituta epidemiologii i gigiyeny (nauchnyy
rukovoditel' - dotsent Ye.Ye. Gleyberman).
(ASHKHABAD--WORMS, INTESTINAL AND PARASITIC)
(FOOD, RAW--HYGIENIC ASPECTS)

KOGAN, B.B., prof.: MAYOROVA, L.A.

Prognostic significance of the euphylline test in commissurotomy in patients with mitral heart defect. Khirurgia 35 no.10:25-32 0 '59.

(MIRA 12:12)

1. Iz gospiatal'noy terapevticheskoy kliniki (zav. - deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov) I gospiatal'noy khirurgicheskoy kliniki (zav. - deystvitel'nyy chlen AMN SSSR prof. B.V. Petrovskiy) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.

(COMMISSUROTOMY)

(ELECTROCARDIOGRAPHY)

(AMINOPHYLLINE)

ZARGARLI, P.I.; MAYUROVA, L.A. (Moskva)

Diagnosis of isolated patent ductus arteriosus. Klin.med. 37 no.11:
88-91 N '59. (MIRA 13:3)

1. Iz kafedry gosptal'ney khirurgii imeni A.V. Martynova (direktor -
deystvitel'nyy chlen AMN SSSR prof. B.V. Petrovskiy) i Moskovskogo
ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(DUCTUS ARTERIOSUS diagnosis)

YEY, B.N., starshiy nauchnyy sotrudnik; AGADZHANOV, R.A., mladshiy nauchnyy sotrudnik; ALAKHVERDYANTS, S.A., mladshiy nauchnyy sotrudnik; DASHKOVA, Ye.M., mladshiy nauchnyy sotrudnik; MAYOROVA, L.A., mladshiy nauchnyy sotrudnik; SHTOK, E.Sh., mladshiy nauchnyy sotrudnik

Experience in the sanitary and hygienic evaluation of agricultural sewage farms in Ashkhabad. Gig. i san. 25 no. 12:18-20 D '60.
(MIRA 14:2)

1. Iz Ashkhabadskogo instituta epidemiologii i gigiyeny.
(SOIL MICRO-ORGANISMS) (SEWAGE IRRIGATION)

ALAKHVERDYANTS, S.A.; YEY, B.N.; MAYOROVA, L.A.

Sanitary and helminthological evaluation of vegetables, greens,
and fruits under the climatic conditions of Ashkhabad. Med.
paraz.i paraz.bol. no.3:288-289 '61. (MIRA 14:9)

1. Iz Ashkhabadskogo instituta epidemiologii i gigiyeny (dir.
Ye.S. Popova).

(ASHKHABAD—PRODUCE TRADE—HYGIENIC ASPECTS)

(ASHKHABAD—WORMS, INTESTINAL AND PARASITIC)

YEY, B.N.; ALAKHVERDYANTS, S.A.; MAYOROVA, L.A.

Epidemiology of ascariasis in Ashkhabad. Zdrav. Turk. 5 no.6:12-
14 N-D '61. (MIRA 15:2)

1. Iz Ashkhabadskogo instituta epidemiologii i gigiyeny (dir. -
dotsent Ye.S.Popova).
(ASHKHABAD--ASCARIDS AND ASCARIASIS)

MAYOROVA, L.A.; ALAKHVERDYAN, S.A.; YEY, B.N.

Use of naphthamon in the treatment of ancylostomiasis.
Zdrav. Turk. 7 no.4:32-33 Ap'63. (MIRA 16:6)

1. Iz Ashtka badskogo instituta epidemiologii i gigiyeny (dir.
dotsent Ye.S.Popova).
(ANTHELMINTICS) (HOOKWORMS)

GEBEL', G.Ya.; MAYOROVA, L.A.

Changes in electrocardiographic indices due to the use of aminazine.
Trudy 1-go MMI 33:145-150 '66..

(MIRA 12:3)

L 02397-67 EWP(k)/EWP(c)/EWT(d)/EWT(m)/T/EWP(l)/EWP(v) IJP(c) DJ/GD

ACC NR: AT6015203 (A,N)

SOURCE CODE: UR/0000/66/000/000/0110/0117

AUTHOR: Mayorova, L. A.

ORG: None

TITLE: A method for evaluating the lubrication capacity of high-temperature lubricants over a wide temperature range

SOURCE: Metody otsenki ekspluatatsionnykh svoystv reaktivnykh topliv i smazochnykh materialov (Methods for the performance evaluation of jet propellants and lubricants). Moscow, Izd-vo Mashinostroyeniye, 1966, 110-117

TOPIC TAGS: high temperature lubricant, lubricity, friction

ABSTRACT: The author describes several methods for evaluating the lubrication capacity of high-temperature lubricants. Four spheres in a tetrahedral arrangement give more accurate results than other test equipment, especially in determining specific loads at point of contact. An up-to-date four-sphere unit with a tetrahedral arrangement is used to estimate the lubrication capacity of high-temperature lubricants. The mechanism has the following improvements: 1. the entire friction unit was altered for determining the lubrication capacity of gases, liquids and solids; 2. a circular heater was added for heating the friction unit together with a cooling bath with an insulating jacket for cooling the substances tested. The method used by the author

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UDC: 662.753.32:629.13.001.4

L 02397-67

ACC NR: AT6015203

3

for determining the lubrication capacity is based on a similar procedure developed at the All-Union Scientific Research Institute for Oil and Gas Refining and the Production of Synthetic Liquid Fuel. Lubricating capacity is estimated with respect to the average diameter of sphere wear spots as a function of load, temperature, sliding wear and critical load. The 127 mm spheres used throughout the test were made from EI-347 high-temperature bearing steel (HRC 62-65). A figure is given showing the experimental equipment. The friction unit is washed in the appropriate solvent for the substance to be tested. The spheres are first washed in gasoline and then in benzene and alcohol after which they are dried in air. The threads of the friction unit are coated with a graphite lubricant. At this point, the high-temperature lubricant to be tested is placed inside the yoke up to the level of the lower pressure nut. The unit is then placed either in the heating device or in the cooling bath depending on the nature of the test. When the desired temperature is reached, it is maintained for 5 minutes, the friction unit is loaded, and the upper sphere is rotated at 1500 or 475 rpm. An expression is given for calculating the sliding rate. The standard test lasts one minute. The load is increased stepwise during testing and the wear spots on the three lower spheres are measured after each load setting. Two high-temperature lubricants were tested with melting points of 390 and 150°C. The results show that the proposed method may be used for evaluating lubrication capacity within $\pm 10\%$. Lubricating capacity decreases from +20 to -20°C. The maximum diameter of the wear spot is reached at -20°C. Lubrication capacity increases from -20 to -60°C. A similar phenomenon is observed in determining the lubrication capacity at 20-500°C. The maximum diameter of

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L 02397-67

ACC NR: AT6015203

wear spots is observed at 300°C which shows that additional study is needed to explain the relationship between lubrication capacity and temperature. In comparing the two specimens tested, it was found that the lubrication capacity of the second (melting point 150°C) is much better than that of the first from -60 to +500°C. A table is given showing the effect of load on the lubrication capacity of high-temperature lubricants at -40 and +500°C. This table shows that sphere wear increases with load. Graphs are given showing the diameter of the wear spot as a function of sliding rate. These data show that the diameter of the wear spot increases with sliding rate. Orig. art. has: 6 figures, 2 tables, 1 formula.

SUB CODE: 11/ SUBM DATE: 10Dec65/ ORIG REF: 006

MAYOROVA. L. I.

PA 67T76

USSR/Medicine - Horses, Diseases
Medicine - Typhus

Feb 1948

"The Treatment of Equine Erythematous Typhus," A. P. Ryzhov, L. I. Mayorova, V. D. Nikitin, Veterinarians, Serum Dept, Inst imeni I. I. Mechnikov, 1 1/2 pp

"Veterin" No 2

Erythematous typhus is curable disease. Penicillin has very effective local action, e.g., on boils, etc. However, there are no positive indications of its general therapeutic effect. Early diagnosis and treatment is of prime importance.

67T76

1. RYZHOV, A. F.; MAYOROVA, L. I.
2. USSR (600)
4. Drugs
7. Liniments with a cod liver oil base, Veterinariia, 29, No. 12, 1952.
9. Monthly List of Russian Accessions, Library of Congress, March, 1953. Unclassified.

MAYKOVA, L.I.

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Biological Chemistry

②
3220
JAN 17 1954
Treatment of the hoof and mouth disease by acids.
A. P. Ryzhov and L. I. Malozovs. *Veterinariya* 30, No. 11,
67(1953).—Cure within 3-5 days is reported for cattle and
pigs infected with the hoof and mouth disease; it is ac-
complished by irrigation of the oral cavity, udders, and
hooves with 0.25-0.5% AcOH soln. G. M. Kosolapoff —

Inst. im. I. I. Mechnikov

Mayorsova, L.I.

USSR / Virology. Human and Animal Viruses. Rabies Virus. E-3

Abt Jour : Ref Zhur - Biol., No 12, 1953, No 81303
 Authors : Belimov, M. A.; Durnasova, M. N.; Pogozina, Ye.
 Inst : M.; Fatgaus, V. G.; Mayorsova, L. I.
 Title : Moscow Scientific Research Institute of Vaccines
 and Sera.
 Procurement and Fractionation of Immune Antirabic
 Serum.
 Orig Pub : Tr. Mosk. M.-1. in-1a vaktain i sveroztok, 1957,
 9, 225-235
 Abstract : No abstract given.

Card 1/1

MAY 20 1957

SALIMOV, M.A.; BURASOVA, M.N.; KOGOLINA, Ye.N.; RATGAUL, V.G.; MATKOV, I.I.

Antirabies gamma globulin. Report No. 1: Obtaining and fractionation of
immune antirabies serum. Zhur. mikrobiologii i immun. 28 no. 7 1957
Jl '57. (MIRA 17 1957)

1. Iz Moskovskogo instituta vaktsin i suveroetok imeni Meditsinskogo
(KABIS). Immunology.
Immune serum, prep. & fractionation (Rus.)

TSINTSERLING, A.V.; POLONSKAYA, Ye.V.; TARASOVA, A.P.; LYUBAVIN, A.R.;
NABOKOVA, Ye.R.; MASLENNIKOVA, L.K.; MAYOROVA, L.P. (Leningrad)

Pathological anatomy of adenovirus lesions of the lungs in children,
Ark. pat. 27 no.10:21-28 '65. (MIRA 18:10)

1. Institut detskikh infektsiy i Institut imeni Pastera, Detskaya
bol'nitsa imeni N.F.Filatova, Detskaya bol'nitsa imeni "Simbalina
i 1-ya detskaya bol'nitsa Oktyabr'skogo rayona, Leningrad.

PRATUSEVICH, R.M.; ZUYEVA, M.Ya.; KUTINA, L.S.; MAYOROVA, L.P.;
RODSHTEYN, O.A.; CHERNOVA, E.A.

Data for the study of the epidemic outbreak of serous meningitis
in Monchegorsk in Murmansk Province during 1960. Trudy Len.
inst. epid. i mikrobiol 26:199-210 '64. (MIRA 18:12)

1. Iz Nauchno-issledovatel'skogo instituta detskikh infektsiy,
Instituta epidemiologii i mikrobiologii imeni Pastera, Leningrad
i Gorodskoy bol'nitsy goroda Monchegorska.

MASLENNIKOVA, L.K.; MAYOROVA, L.P.; KLUSHINA, T.A.

Methods and results of the study of adenovirus diseases in
Leningrad during the period 1958-1961. Trudy Irk. NIEM no. 7:
210-219 '62 (MIRA 19:1)

1. Iz laboratorii grippa Leningradskogo instituta epidemiologii
i mikrobiologii imeni Pastera.

YEROFEYEV, B.V.; MITSKEVICH, N.I.; MAYOROVA, M.V.

Initiation of decarboxylation by anthracene. Sbor. nauch. rab.
Inst. fiz.-org. khim. AN BSSR no.8:93-98 60. (MIRA 14:3)

1. Institut fiziko-organicheskoy khimii AN BSSR.
(Anthracene) (Carboxyl group)

MAYOROVA, M. A.

MAYOROVA, M. A. - "Experimental investigation of the absorption of erythrocytes in the intermembranous spaces in the brain." Moscow, 1964. Acad. Sci. USSR.
(Dissertation for degree of Candidate of Medical Sciences.)

See: Knizhnaya letopis', No 4. 21 November 1964. Moscow.

SHAMAYEVA, Ye.M., MAYOROVA, N.A., KHALEYEVA, T.G. (Moskva)

**Effect of novoembichine on the course of the Arthus-Zakharov phenomenon and on anaphylactic shock [with summary in English].
Pat.fiziol. 1 eksp.terap. 2 no.5:29-34 S-0 '58 (MIRA 11:12)**

1. Iz laboratorii eksperimental'noy khimioterapii (zav. - chlen-korrespondent AMN SSSR prof. L.P. Larionov) Instituta eksperimental'noy patologii i terapii raka AMN SSSR.

(ALLERGY, exper.

anaphylactic shock & Arthus phenomenon, eff. of

N-Bis (2-chloroethyl-2-propylamine hydrochloride (Rus))

(NITROGEN MUSTARD, eff.

N-bis (2-chloroethyl-2-propylamine hydrochloride,

on exper. anaphylactic shock & Arthus phenomenon (Rus))

BARON, M.A., prof. LYASS, F.M.; MAYOROVA, N.A. (Moskva)

"Dew" phenomenon on the surface of the brain and its relation to cerebrospinal fluid outflow in canals of the pia mater [with summary in English, p.63]. Vop.neirokhir. 23 no.1:3-11 '59. (MIRA 12:3)

1. Iz Nauchno-issledovatel'skogo ordena Trudovogo Krasnogo Znameni instituta neyrokhirurgii imeni akademika N.N. Burdenko AMN SSSR.
2. Chlen korrespondent AMN SSSR (for Baron)

(BRAIN,

drops of CSF on brain surface after epileptic seizures,

relation to CSF outflow in pia mater canals (Rus))

(EPILEPSY, pathol.

same)

(CEREBROSPINAL FLUID,

same)

MAYOROVA, N. A., kand. med. nauk (Moskva)

Cytophysiological study of the arachnoid endothelium of the pia mater in connection with the protective function of the areolar system. Vop. neirokhir. no.6:8-14 '61. (MIRA 14:12)

1. Laboratoriya eksperimental'noy gistologii nauchno-issledovatel'skogo ordena trudovogo Krasnogo Znameni Instituta neyrokhirurgii imeni akad. N. N. Burdenko AMN SSSR.

(PIA MATER) (CONNECTIVE TISSUES) (ENDOTHELIUM)

MAYOROVA, N.A. (Moskva)

Role of the protective trophic system of the pia mater in the removal of amino acids and proteins from the cerebrospinal fluid. Biul. eksp. biol. i med. 54 no.9:107-110 S '62.

(MIRA 17:9)

1. Iz laboratorii eksperimental'noy neyrogistologii (zav.-chlen-korrespondent AMN SSSR prof. M.A. Baron) Nauchno-issledovatel'skogo instituta neyrokhirurgii imeni N.N. Burdenko (dir. - deystvitel'nyy chlen AMN SSSR B.G. Yegorov) AMN SSSR Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR B.G. Yegorovym.

L 27829-65

ACCESSION NR: AP5007133

S/0241/64/009/008/0060/0070

AUTHOR: Baron, M. A. (Head of laboratory of experimental neurohistology,
Corresponding member of AMN SSSR, Professor); Lyass, F. M.; Mayorova, N. A.

7
2
B

TITLE: Experimental study of the emission of radioactive colloidal Au¹⁹⁸,
Na₂HP³²O₄, Na²⁴Cl, and NaI¹³¹ through the arachnoidal membrane

SOURCE: Meditsinskaya radiologiya, v. 9, no. 8, 1964, 60-70

TOPIC TAGS: nervous system, gold, sodium, isotope, radiology

Abstract: By means of a new method of impressions (applications) taken
from the surface of the exposed brain, study of the elimination of radio-
active substances introduced into the fluid from the subarachnoidal space
through the arachnoidal membrane into the subdural space was made possible.

through the arachnoidal membrane into the subdural space was made possible. This method makes possible the precise characterization of the amount and location of the eliminates of the compounds tested through the arachnoidal membrane. Study of the elimination of the substances can be carried out dynamically with minute-by-minute sampling of the fluid from the subdural.

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L 27829-65

ACCESSION NR: AP5007133

space. Experiments conducted by the impression method revealed the agreement of three indexes of the elimination of substances through the arachnoidal membrane: a) the intensity of visually distinguished color of the impressions by a dye introduced along with the isotope into the humor; b) the number of pulses per minute emitted by each impression, determined on a counting device; c) the extent of darkening on radioautographs of the

L 27829-65

ACCESSION NR: AP5007133

hemispheric surface. In a few minutes more the intensity of isotope elimination reached a maximum. Then a more or less steep drop in elimination occurred, followed by the isotope elimination becoming even and lasting till the end of the observation (2 hours). The fact that not only $\text{Na}_2\text{HP}^{32}\text{O}_4$, Na^{24}Cl , and NaI^{131} , but also colloidal Au^{198} passes readily through the arachnoidal membrane confirms the extremely high permeability of the biological membranes for different compounds. Since

colloidal Au^{198} does not pass through the hemato-encephalic barrier, it must be assumed that the permeability of the arachnoidal membrane exceeds the permeability of the endothelium of bloodbearing cerebral capillaries. It is logical to assume that like $\text{Na}_2\text{HP}^{32}\text{O}_4$, and Na^{24}Cl , other endogenic compounds of the fluid are also eliminated through the arachnoidal membrane. Orig. art. has 6 figs. and 3 graphs.

ASSOCIATION: Laboratoriya eksperimentalnoy neyrogistologii Instituta neyrokhirurgii im. N. N. Burdenko AMN SSSR (Laboratory of Experimental Neurohistology, Institute of Neurosurgery, AMN SSSR)

Card 3/4

MAYOROVA, N.A.

Experimental study of the absorption of erythrocytes from the subarachnoid space of the brain. Biul. eksp. biol. i med. 60 no. 10:23-28 0 '65 (MIRA 19:1)

1. laboratoriya eksperimental'noy neyrogistologii (rukovoditel' - chlen-korrespondent AMN SSSR prof. M.A. Baron) Nauchno-issledovatel'skogo ordena Trudovogo Krasnogo Znameni instituta neyrokhirurgii imeni N.N. Burdenko AMN SSSR, Moskva. Submitted October 11, 1963.

NIKITIN, V.I.; MAYOROVA, N.V.

Tertiary triatomic alcohols of the acetylenic and ethylenic series and their chemical conversions. Part 25: Mechanism of the hydrogenation of polyhydroxyl-containing derivatives of acetylene. Zhur. ob. khim. 32 no.1:33-40 Ja '62. (MIRA 15:2)

1. Institut khimii AN Tadzhikskoy SSR.
(Acetylene) (Hydrogenation)

MAYOROVA, P.I.

Method for the quantitative determination of antigens and antibodies
by precipitation in agar. Lab.delo 5 no.6:40-43 N-D '59.

(MIRA 13:3)

1. Iz otdela biokhimii (zaveduyushchiy V.A. Blagoveshchenskiy) Insti-
tuta epidemiologii i mikrobiologii imeni N.F. Gamalei AMN SSSR, Moskva.
(ANTIGENS AND ANTIBODIES) (AGAR)

KROTOV, I.S.; MAYOROVA, T.A., zootekhnik.

Restore the fame of Siberian butter. Nauka i pered. op. v sel'khoz.
7. no. 5:4-5 My '57. (MIRA 10:6)

1. Upravlyayushchiy Novosibirskim treptom "Masloprom" (for Krotov).
2. Cherepanovskiy sovkhos, Novosibirskoy oblasti.
(Siberia--Butter)

MAYOROVA,

T. G.

3-1-30/32

AUTHORS:

Arturov, O.A., Deceased, Gel'bras, V.G.,
Mayorova, T.G.

TITLE:

Against a Superficial Representation of the Economy of
 People's China (Protiv poverkhnostnogo osveshcheniya eko-
 nomiki narodnogo Kitaya)

PERIODICAL:

Vestnik Vysshey Shkoly, 1958, # 1, pp 82-87 (USSR)

ABSTRACT:

The article contains a criticism of A.M. Kosolapov's lecture, now published as a booklet entitled "The Economic Structure of the Chinese People's Republic". The book deals with the economic background of the Chinese revolution and the conversion of economy on a socialistic basis. The criticism is partly a doctrinaire dispute of the reviewers who, on many points, disagree with the views set forth by Kosolapov. Thus, for instance, according to the reviewers' opinion, Kosolapov sees the objective premises of the Chinese revolution mainly in the crisis of the capitalistic world's economic system, and examines the internal contradictions existing in China only superficially. The reviewers, however, consider that the aggravation of the internal and external contradictions have created objective conditions for a revolution. They further state that the booklet contains flat inaccuracies which have distorted the

Card 1/2

MAYOROVA, T.G

AUTHOR: None Given

3-58-4-24/34

TITLE: From the Materials of "Vestnik Vysshey Shkoly" (Po materialam "Vestnika Vysshey Shkoly") Against the Superficial Study of the Economics of "People's China" (Protiv poverkhnostnogo izucheniya ekonomiki Narodnogo Kitaya)

PERIODICAL: Vestni Vysshey Shkoly, 1958, # 4, page 66 (USSR)

ABSTRACT: In # 1 of this periodical for 1958, a review by O.A. Arturov, V.G. Gel'bras and T.G. Mayorova of a lecture by A.M. Kosolapov "The Economical Order of the Chinese People's Republic", appeared.

Dotsent I.D. Tikhomirov, Head of the Chair of Political Economy of Leningrad University, advises the editor that the chair admits that the criticism was just.

AVAILABLE: Library of Congress

Card 1/1

MAYDROVA, T.I.

Operation of rotary kiln with heat exchanger. A. P. DALECHIN, T. I. MAYDROVA, AND S. I. ALEKSEEV. *Tsiment*, 20 [3] 9-11 (1954).—A four-cell shell-type heat exchanger installed in the narrow section (diameter 2.5 m.) of a rotary kiln for a distance of only 2.5 m. caused a drop of 100° in the temperature of the outgoing gases and resulted in a fuel saving of 3 to 4% and an increase in output of 2%.

B.Z.K.

MT

2

MAYOROVA, T.I., inzhener; YERMAKOVA, V.A. inzhener.

High-speed method for determining the amount of hydraulic admixture
and gypsum in cement on the basis of one batch. TSement 22 no.2:
29-30 Mr-Ap '56. (MIRA 9:9)

1.Laboratoriya ob'yedinennogo tsementnogo zavoda "Krasnyy Oktyabr'".
(Cement--Analysis)

YAM, V.M., inzh.; LATIN, A.P., inzh.; GORODKOV, A.P., inzh.; BAGALIN, A.A., inzh.;
MAYOROVA, TS.M., inzh.; SHMAKINA, N.N., inzh.; GUSEV, A.S., inzh.

Developing an experimental 1,000 ton hydraulic press for the pressing
of 300 mm.-high refractory products. Trudy Inst. ogneup. no.34:141-163
'63. (MIRA 17:10)

1. Vsesoyuznyy institut ogneuporov (for Shmakina). 2. Trast "Ogneupomerud"
(for Gusev).

AL'TOVA, O.; MAYOROVA, V., tkachikha; PUTINTSEVA, Ye., uchetchitsa;
VORONINA, A., tkachikha; BOROVKOVA, A., tkachikha; VOROB'YEVA, A.;
KASPERSKAYA, N.; PEREPIETCHIKOVA, V.; CHUZHAKHINA, L., tkachikha;
KULIKOVA, M., tkachikha

That's better. Rabotnitsa. 40 no.6:21 Je '62. (MIRA 16:3)

1. Predsedatel' fabrichnogo komiteta Gorsko-Pavlovskoy fabriki imeni Kaminskogo, Ivanovskaya oblast' (for Al'tova). 2. Gorbunovskaya tkatskaya fabrika Moskovskogo oblastnogo soveta narodnogo khozyaystva (for Mayorova, Putintseva, Voronina, Borovkova). 3. Direktor Noginskoy lentotkatskoy fabriki "Krasnaya lenta" (for Vorob'yeva). 4. Predsedatel' fabrichnogo komiteta Noginskoy lentotkatskoy fabriki "Krasnaya lenta" (for Kasperakaya). 5. Nachal'nik otdela truda Noginskoy lentotkatskoy fabriki "Krasnaya lenta" (for Perepletkov). 6. Noginskaya lentotkatskaya fabrika "Krasnaya lenta" (for Chushakhina, Kulikova).
(Textile industry)

L 21040-65 EWA(b)/EWT(1) Pa-4/Pb-4 AMD JK --
ACCESSION NR: AR4039959 S/0299/64/000/009/3024/B024
SOURCE: Ref. zh. Biol. Sv. t., Abs. 9B177
AUTHOR: Mayorova, V. A.
TITLE: Significance of the special characteristics of antibiotic
substances in identifying yellow group actinomycetes

CITED SOURCE: Sb. Materialy* 3-y Nauchn. sessii Leningr. in-ta antibiotikov, 1963. L., 1963, 65-66

TOPIC TAGS: actinomycetes, antibiosis, bacteriologic culture, bacteriology, polyene

TRANSLATION: A group of yellow actinomycetes (freshly isolated from a culture soil and museum strains) was divided into subgroups: actinomycetes producers of actinomycin, producers of antibiotic mixtures (actinomycins and polyenes), producers of polyene and antibacterial (not actinomycins) antibiotics, and subgroups of actinomycetes not related to actinomycins or polyenes. It was

established that grouping of an antibiotic substance according to

Card 1/2

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ACCESSION NR: AR4039959

characteristics generally shows a division of the actinomycetes into
definite systematic units and is confirmed by the special character-
istics of the morphological-cultural and other properties of the

cultures. From a resume. ~~and other properties of the~~

SUB CODE: LS

ENCL: 00

Card 2/2

TARAKANOV, Ye.I.; MAYOROVA, V.F.; SHCHITKOVA, T.A.

Neurosecretion of the hypothalamus and histochemistry of the
endocrine glands in Itsenko-Cushing disease. Probl. endok. i
gorm. 6 no. 3:46-51 My-Je '60. (MIRA 14:1)
(CUSHING SYNDROME) (HYPOTHALAMUS) (ENDOCRINE GLANDS)

MAYOROVA, V.F.

Method of detecting neurosecretory granules in nerve cells of the hypothalamus. Arkh. anat. gist. i embr. 39 no.8:101-103 Ag '60.
(MIRA 13:11)

1. Otdel morfologii (zav. - prof. Ye.I.Tarakanov) Vsesoyuznogo instituta eksperimental'noy endokrinologii. Adres avtora: Moskva, Lavrov pereulok, 6, otdel morfologii Vsesoyuznogo instituta eksperimental'noy endokrinologii;
(HYPOTHALAMUS) (STAINS AND STAINING (MICROSCOPY))

TARAKANOV, Ye. I., prof.; MAYOROVA, V. F.; RABKINA, A. Ye. (Moskva)

Changes in the hypothalamus in alloxan diabetes. Probl. endok. i gorm.
no. 6:19-24 '61. (MIRA 14:12)

1. Iz morfologicheskogo otdela (zav. - prof. Ye. I. Tarakanov)
Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. -
prof. Ye. A. Vasyukova)

(HYPOTHALAMUS) (DIABETES) (ALLOXAN)

TARAKANOV, Ye.I.; MAYOROVA, V.F.

Glycoprotein component of neurosecretion. Arkh. anat. gist. i embr.
42 no.2:61-65 F '62. (MIRA 15:2)

1. Morfologicheskiy otdel (zav. - prof. Ye.I. Tarakanov) Vsesoyuznogo
instituta eksperimental'noy endokrinologii.
(GLYCOPROTEINS) (NERVES)

MAYOROVA, V.F.

Neurosecretion of the hypothalamohypophyseal system in bilateral adrenalectomy. Dokl. AN SSSR 152 no.1:244-245 S '63.

(MIRA 16:9)

1. Vsesoyuznyy institut eksperimental'noy endokrinologii.
Predstavleno akademikom A.N.Bakulevym.

(ADRENAL GLANDS--EXCISION) (HYPOTHALAMUS)
(PITUITARY BODY)

L 41765-65 EPF(c)/EPR/EWP(j)/EWT(m)/T Pc-4/Pr-4/Ps-4 RM/WW
ACCESSION NR: AP4030374 S/0190/64/006/003/0541/0544

AUTHORS: Slobodin, Ya. M.; Mayorova, V. Ye.; Smirnova, A. M.

TITLE: Thermal decomposition of synthetic ethylene-propylene rubber. 1. C₂ -
C₆ hydrocarbons among its thermal decomposition products

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 6, no. 3, 1964, 541-544

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27
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SOURCE: *Vysokomolekulyarnyye soyedineniya*, v. 6, no. 3, 1961, 541-544

TOPIC TAGS: rubber, ethylene propylene, thermal decomposition, fractionation, hydrocarbon

ABSTRACT: Synthetic ethylene-propylene rubber, obtained by copolymerization of equimolar quantities of ethylene and propylene on Ziegler's catalyst, was subjected to thermal decomposition in a Würtz flask to determine the structure of the polymer. The distillation of gaseous products yielded 93.66% of liquid condensate, 5.20% of gas, and 1.14% of residue in the flask. The gas mixture was analyzed by the gas-liquid chromatographic technique, while the liquid part was subjected to fractional distillation. It was found that the gas mixture consisted of ethane and ethylene, butane and pentane, and butadiene. In the liquid

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ACCESSION NR: AP4030374

Other fractions were separated in 50°-temperature intervals, up to 250°C. Analysis by gas-liquid chromatography showed the C₅ fraction to consist of n-pentane, pentene-1, 2-methylbutane, 2-methylbutene-1, 2-methylbutene-2, isoprene, and piperilene. The C₆ fraction contained n-hexane, hexene-1, and 2-methylpentane. The authors calculated that in the C₅ fraction the sum of isomers with branched chain was 4.7 times higher than the sum of the ones with a normal chain structure. In the C₆ fraction there was a predominance of hydrocarbons with normal carbon chain. The mechanism of thermal

Formula.

Page 4 of 4 4 copies and 1

ASSOCIATION: Severo-zapadnyy zaochnyy politekhnicheskyy institut (Northwestern
Correspondence Polytechnical Institute)

SUBMITTED: 01Apr63

ENCL: 00

SUB CODE: 00

NO REF SOV: 005

OTHER: 008

Card 2/2 CC

SLOBODIN, Ya.M.; MAYOROVA, V.Ye.; SMIRNOVA, A.M.

Dehydration of dimethylalkylcarbinols. Zhur. org. khim. 1 no.9:
1529-1531 S '65. (MIRA 18:12)

1. Submitted April 28, 1964.

MAYOROVA, Ye.A.; TULIN, V.N.

Method for lithogeological prospecting in the semi-arid zone of
Kazakhstan. Izv. Vsesoyuzn. nauchno-issledovatel'skogo instituta razvedochnoy
geofiziki. (MIRA 1974)
1. Vsesoyuznyy nauchno-issledovatel'skiy institut razvedochnoy
geofiziki.

AU5002725

BOOK EXPLOITATION

UR/

Kablukov, A. D.; Sochevanov, N. N.; Baranov, E. N.; Bogolyubov, A. N.; Vertepov, G. I.; Grigoryan, S. V.; Mayorova, Ye. A.; Razumovskiy, N. K.; Tulin, V. N.; Yanishevskiy, Ye. M.; comps.

Use of diffusion aureoles of uranium and associated elements in prospecting and surveying for hydrothermal uranium deposits; methodologic handbook (Ispol'sovaniye oreolov rassevaniya urana i elementov-sputnikov pri poiskakh i razvedke gidrotermal'nykh uranovykh mestorozhdeniy; metodicheskoye rukovodstvo) Moscow, Izd-vo "Nedra", 1964. 194 p. illus., biblio., append. 2350 copies printed. (At head of title: Gosudarstvennyy geologicheskyy komitet SSSR). Managing editor: for the publishing house: F. N. Chumakova; Technical editor: T. M. Shmakova; Proofreader: A. A. Sivakova

TOPIC TAGS: geochemical prospecting, hydrothermal uranium deposit, primary uranium diffusion aureole, radiometric anomaly, secondary uranium diffusion aureole, uranium ore deposit

PURPOSE AND COVERAGE: The purpose of this handbook is to describe the laws governing the distribution of uranium and associated elements in the indigenous rocks

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UDC: 553.495:552.142

AN5002725

around hydrothermal uranium-ore bodies and in the river deposits above them; to demonstrate the possibility, the role, and the place of geochemical methods in solving such problems; and to describe the results of work on the development of primary and secondary diffusion aureoles of uranium and its associated elements. In addition to their own work, the authors used data from A. G. Vetrov, N. A. Voroshilov, V. S. Golusov, O. D. Gorbunov, M. Ya. Dar, V. M. Konstantinov, M. V. Kutenkov, L. T. Mishin, Ye. A. Sizov, and others. Most of the spectral and luminous analyses were performed by L. F. Davydova, Yu. T. Donets, B. M. Yelovoy, E. V. Mozolevskaya, and R. V. Timofeyeva.

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Ch. V. Utilization of associated elements in evaluating radiometric anomalies and uranium-ore manifestations -- 132

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SUB CODE: 08

/CUBN DATE: 09Jul64 /SOV REF:084

/OTH REF:011

Cord 3/3

MAYOROVA, Ye.

Posters on over-all mechanization in corn cultivation.

Nauka i pered.op.v sel'khoz. 9 no.8:77-79 Ag '59.

(MIRA 12:12)

(Corn) (Agricultural machinery)

SOCHEVANOV, N.N.; KABLUKOV, A.D.; BARANOV, E.N.; BOGOLYUBOV, A.N.;
VETTERPOV, G.I.; GRIGORYAN, S.V.; MAYOROVA, Ye.A.;
RAZUMOVSKIY, N.K.; TULIN, V.N.; YANISHEVSKIY, Ye.M.;
SOLOVCOV, A.F., red.

[Using dispersion halos and accompanying elements in
prospecting for hydrothermal uranium deposits; methodological
handbook] Ispol'zovanie orel'ov rasseianiia urana i elementov-
sputnikov pri poiskakh i razvedke gidrotermal'nykh uranovykh
mestorozhdenii; metodicheskoe rukovodstvo. Moskva, Nedra,
1964. 194 p. (MIRA 17:9)

1. Russia (1923- U.S.S.R.) Geologicheskii komitet.

FRENKEL', P.Ya.; KRASUKHIN, M.N.; VOLKOV, N.V.; KARPMAN, M.I.;
MAYOROVA, Ye.I.

Using the ion exchange method for refining tanning bark extracts.
Kozh.-obuv.prom. 2 no.7:28-30 J1 '60. (MIRA 13:8)
(Tanning materials) (Ion exchange)

"APPROVED FOR RELEASE: 06/14/2000

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APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001033110013-8"

Mayorova, Ye. P.

78-2-42/43

AUTHORS: Fomin, V. V. , Mayorova, Ye. P.

TITLE: The Extraction of Nitrous Acid in 1 Molar-Benzene Solution of Tributylphosphate (Ekstraktsiya azotnoy kisloty 1 mol ras-tvorom tributilfosfata v benzole)

PERIODICAL: Zhurnal Neorganicheskoy Khimii, 1958, Vol. 3, Nr 2, pp.540-541 (USSR)

ABSTRACT: The extraction of HNO_3 in 1 molar-benzene solution of tri-butylphosphate in HNO_3 -concentrations higher than 3,5 Mol/l was investigated. For the distribution coefficients HNO_3 the following equations are given:

$$\alpha = \frac{c_{\text{or}}}{c_v} = \frac{[\text{HNO}_3 \cdot \text{TBP}]_{\text{or}} + 2[(\text{HNO}_3)_2 \cdot \text{TBP}]_{\text{or}}}{(\text{HNO}_3)_v} -$$

$$= K_o [\text{HNO}_3]_v [\text{TBP}]_{\text{or}} + 2 K_o [\text{HNO}_3]_v^2 [\text{TBP}]_{\text{or}} \quad \text{and}$$

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The Extraction of Nitrous Acid in 1 Molar-Benzene Solution of Tributyl-phosphate 78-2-42/43

$$\alpha = \frac{K_o [HNO_3]_v (1 + 2 K [HNO_3]_v^2)}{1 + K_o [HNO_3]_v^2 + K_o K [HNO_3]_v^4}$$

K is calculated for $K_o = 0,22$ and for the distribution coefficient = 0,19. Values of 0,002 were found for K. The found values for α are in good agreement with the experimentally found values. E. g. for $\alpha = 0,10$ experimentally $\alpha = 0,10$ is found, for $\alpha = 0,017 - \alpha = 0,16$, for $\alpha = 0,21 - \alpha = 0,23$. There are 1 table, and 1 reference, which is Slavic.

SUBMITTED: June 17, 1957

AVAILABLE: Library of Congress

Card 2/2

AUTHORS: Mayorova, Ye. P., Pomin, V. V. SOV/78-3-8-35/48

TITLE: The Extraction of Thorium by Means of Tributylphosphate (Ekstraktsiya toriya tributilfosfatom) III. The Effect of SO_4^{2-} Ions on the Distribution of Thorium (III. Vliyaniye ionov SO_4^{2-} na raspredeleniye toriya)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol. 3, Nr 8, pp. 1937-1954 (USSR)

ABSTRACT: Experiments with SO_4^{2-} ions were carried out to determine the stability constant of thorium; these experiments supplied the distribution coefficients of thorium between the aqueous phase, containing the ions H^+ and NO_3^- , and the solvent tributyl phosphate in benzene. The ionic force in the aqueous solution being in equilibrium is kept constant in all experiments (1,7). The experiments demonstrated that sulfuric acid is not extracted by tributyl phosphate. The experiments carried out to determine the distribution coefficient of thorium were carried out at the following ratios:

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The Extraction of Thorium by Means of Tributylphosphate. III. The Effect of
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$[\text{H}^+] = 0,3 \text{ mole/l}$, $[\text{NO}_3^-] = 1,7 - 0,3 \text{ mole/l}$, $[\text{HSO}_4^-] = 0,01 - 0,05 \text{ mole/l}$.

The complex ions of thorium with two addenda contain only one SO_4^{2-} group and not more than three NO_3^- groups.

The stability constant of complex ions of the molecules $\text{Th}(\text{SO}_4)^{2+}$, $\text{Th}(\text{SO}_4)_2$, $\text{Th}(\text{NO}_3) \cdot (\text{SO}_4)^+$, $\text{Th}(\text{NO}_3)_2 \text{SO}_4$ and $\text{Th}(\text{NO}_3)_3 \text{SO}_4^-$ were calculated and the following values were found: 200, 2500, 1950, 1100 and 500.

There are 10 figures, 14 tables, and 7 references, 2 of which are Soviet.

SUBMITTED: November 15, 1957

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SOV/78-3-9-17/38

AUTHORS: Fomin, V. V., Mayorova, Ye. P., Krapivin, M. I., Yudina, V. G.

TITLE: The Extraction of Plutonium-(IV) With Tributyl Phosphate (Ekstraktsiya plutoniya (IV) tributilfosfatom) I. The Dependence of the Distribution Coefficient on the Concentration of Tributyl Phosphate (I. Zavisimost' koeffitsiyenta raspredeleniya ot kontsentratsii tributilfosfata)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 9, pp 2113-2116 (USSR)

ABSTRACT: The dependence of the distribution coefficient in the extraction of plutonium-IV compounds with tributyl phosphate was investigated. In the calculation of the distribution coefficient the term "true distribution coefficient" was introduced. The distribution coefficient for n-experiments is given in the case of subsequent extractions taking into account the apparent and the true distribution coefficient by the equation (11):

$$\alpha^{(n)} = \frac{\alpha^0(1 - p)}{(1-p)+p(\alpha^0+1)^2} \quad (11)$$

Card 1/2 The extraction of plutonium-IV compounds was carried out with a

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The Extraction of Plutonium-(IV) With Tributyl Phosphate. I. The Dependence
of the Distribution Coefficient on the Concentration of Tributyl Phosphate

1,5 mol solution of tributyl phosphate in benzene at 2,0 mol
 HNO_3 . The true distribution coefficient of plutonium was calcu-
lated from the experimental results for the determination of the
distribution coefficient of plutonium with concentrated tributyl
phosphate. The not extracted residue was investigated with
respect to the α -radiation, and it was found that besides Pu^{239}
also Am^{241} exists. There are 2 figures, 2 tables, and 2
references, 1 of which is Soviet.

SUBMITTED: August 3, 1957

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